

## Section A—Core Subjects

# Mathematics

### The course:

Some would say that maths can only be used in the confines of a classroom but actually it is a necessary life skill which is essential both for employment and within our daily lives.

Virtually all employers will require a solid understanding of maths, and it is a prerequisite for numerous careers including medicine and allied subjects, the



### There are 5 main themes of study:

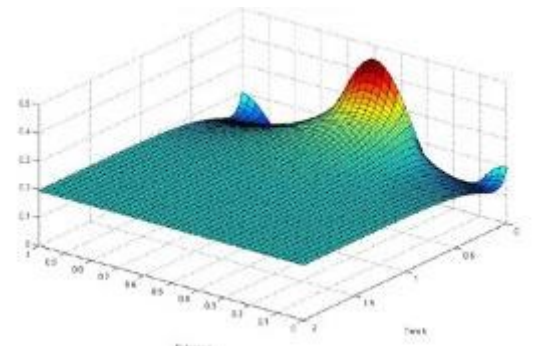
1. Number
2. Algebra
3. Geometry & measures
4. Ratio & proportion
5. Statistics & probability

### WHAT SKILLS WILL I DEVELOP?

The ability to solve problems is at the very heart of maths, and is why employers value the subject so highly.

Maths teaches you how to draw together different techniques to enable more complex problems to be solved. It nurtures resilience and builds perseverance.

It teaches you to work efficiently and accurately, but also allows you to think creatively; there are often many ways of solving any particular problem.



### Assessment

Maths has two tiers of entry: higher and foundation.

- Higher tier awards grades from 4 to 9.
- Foundation tier awards grades from 1 to 5.

For both tiers there are 3 exams at the end of Year 11.

Each exam is 1hr 30 minutes long. Paper 1 is non-calculator, in papers 2 and 3 calculators are allowed.

### Where next

GCSE mathematics prepares you for A/AS level courses in mathematics.

Most colleges/sixth forms will require a higher-level pass in mathematics at GCSE.

All careers need a relevant level of mathematical skills.